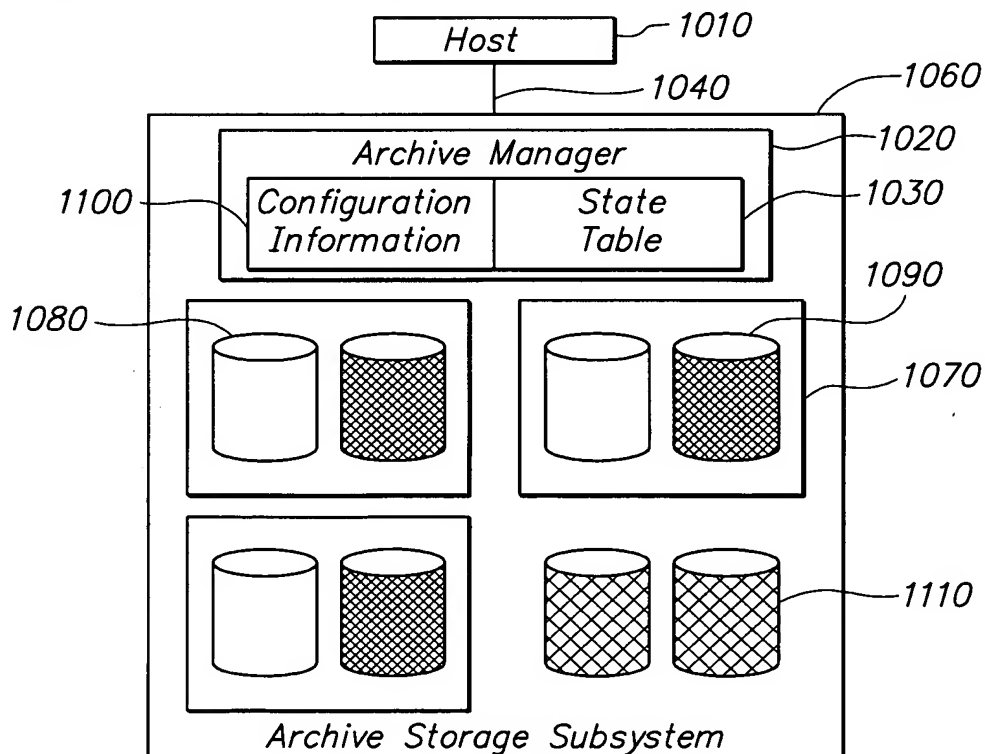
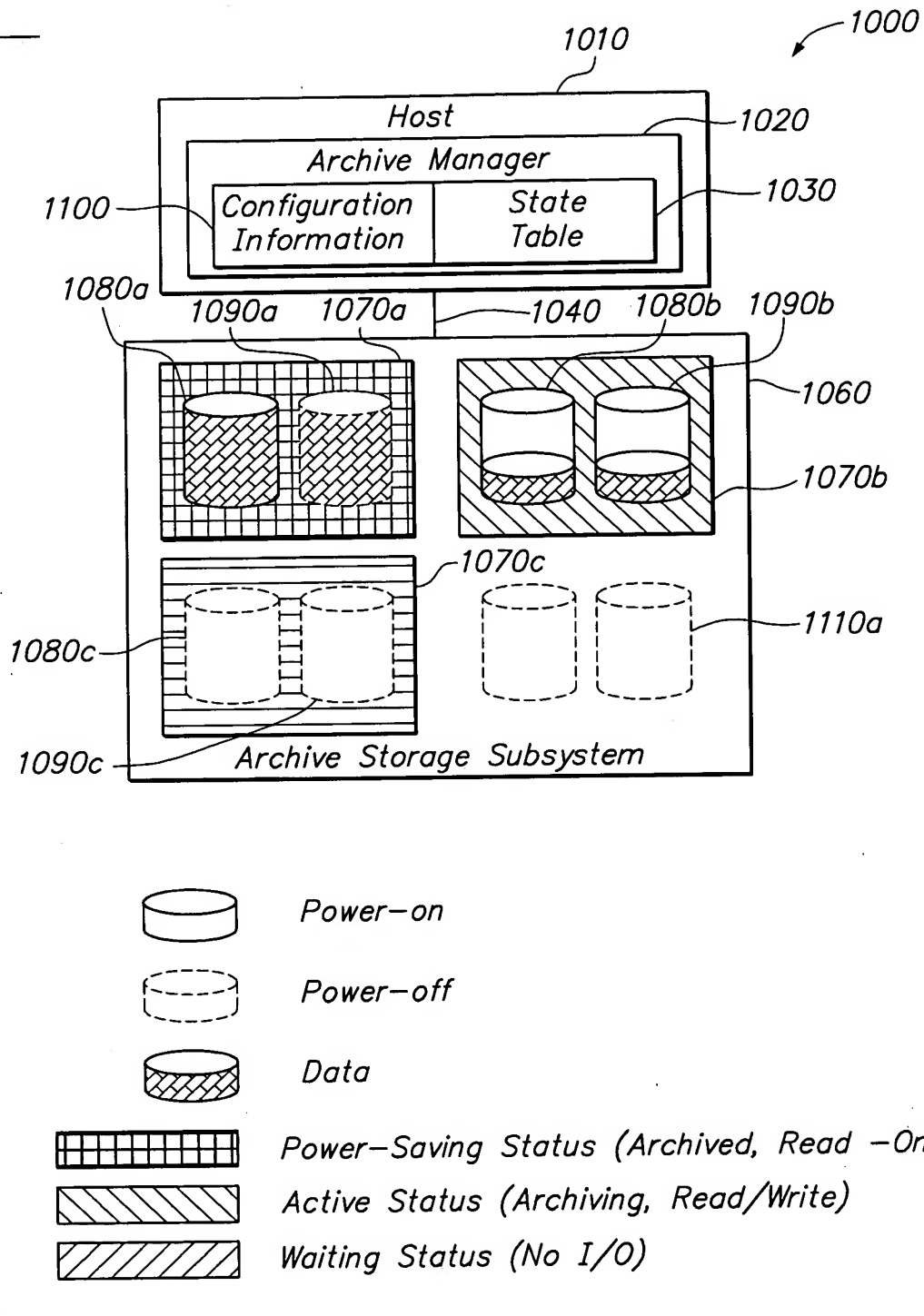


**FIG. 1** Basic Configuration of a Storage System For Archive



**FIG. 2** The Archive Manager in the Archive Storage Subsystem



**FIG. 3** Status of RAID1

		Default	Setting Range
3010	Number of Disk in RAID1 Group	2	Less of Equal Total of Disk
3020	Number of Accessible Disk in RAID1 Group	1	Less or Equal Number of Disk in RAID1 Group
3030	Power Status of Accessible Disk (Power Saving)	Saving Mode	ON, Saving Mode, OFF
3120	Power Status of Standby Disk (Power Saving)	OFF	ON, Saving Mode, OFF
3040	Power Status of Waiting Disk	OFF	ON, Saving Mode, OFF
3050	Trigger of Role Reversal for Power Saving RAID1	Time (one week)	Time (day, week, month), Equation of Access Time
3060	Threshold of Maintenance Warning	70% of total used space	Total Used Space(%), Total Used Space (Giga Bytes)
3090	Number of Spare Disk	10% of Number of Disk in Archive Storage Subsystem	Less or Equal a Half of Number of Disk in Archive Storage Subsystem
3100	Time of Mode Switching	1 Week	Hour, Day, Week, Month
3110	Rewrite after read-only	No	Yes, No

FIG. 4 Configuration Information



1030

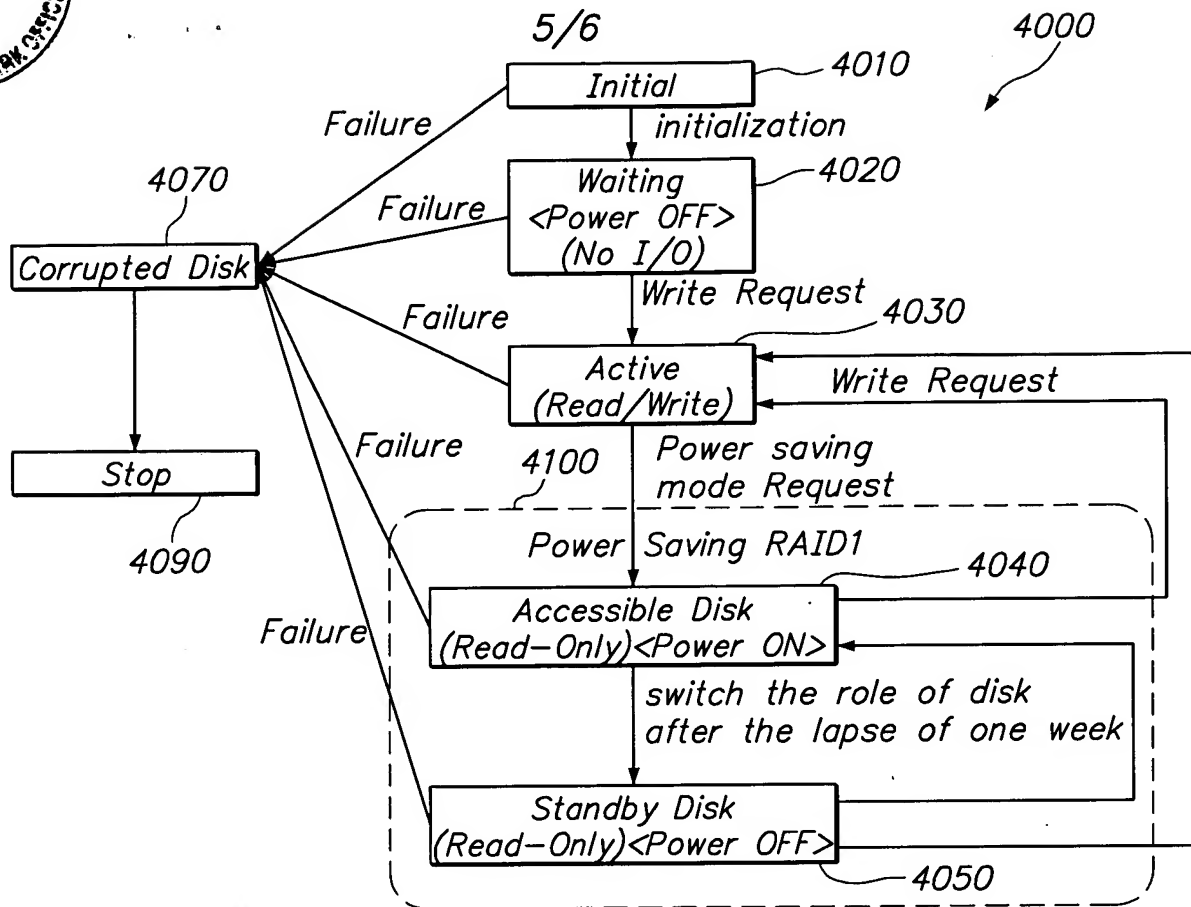
	2090			2090			2090			2095		
	disk00	disk01	disk02	disk03	disk04	disk05	Total					
2010 Power Status	On	Off	On	On	Off	Off	—					
2020 Disk Condition	good	good	good	good	good	good	—					
2030 RAID1 Group#	0000	0000	0001	0001	0002	0002	—					
2040 Operational Mode	Power Saving		Active		Waiting		—					
2050 Attributes	Read-only		R/W		No I/O		2	2130				
2060 Used Space	320GB		20GB		0GB		340GB	2100				
2070 Free Space	0GB		300GB		320GB		620GB	2110				
2080 Total RAID1 Size	320GB		320GB		320GB		960GB	2120				

1070a      1070b      1070c

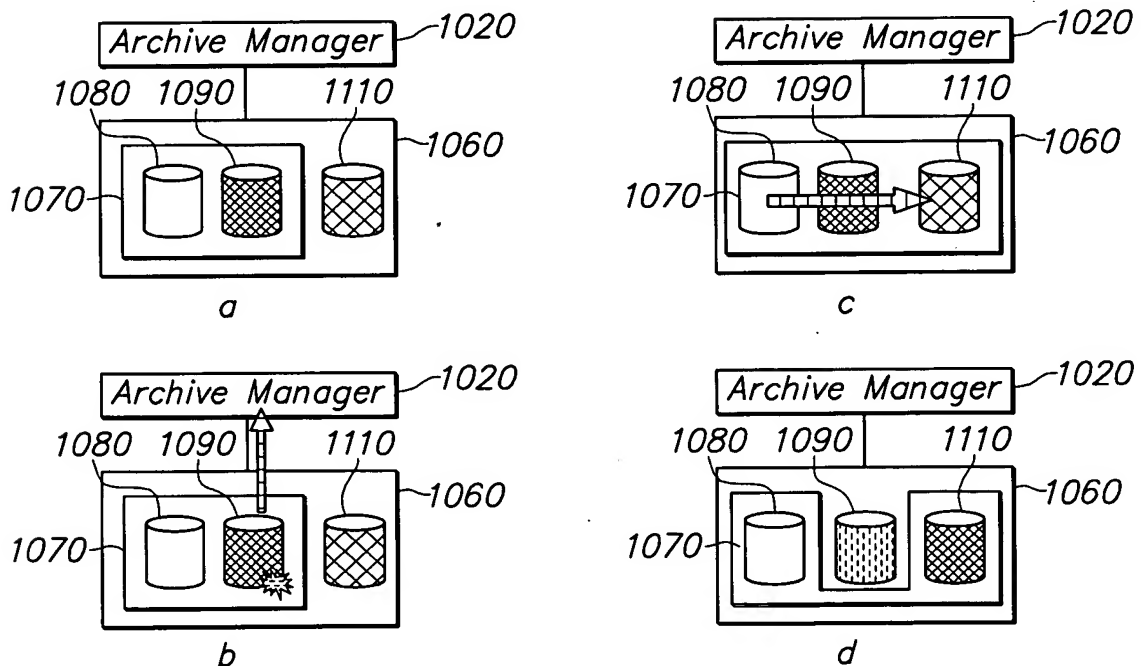
FIG. 5 State Table

REPLACEMENT SHEET

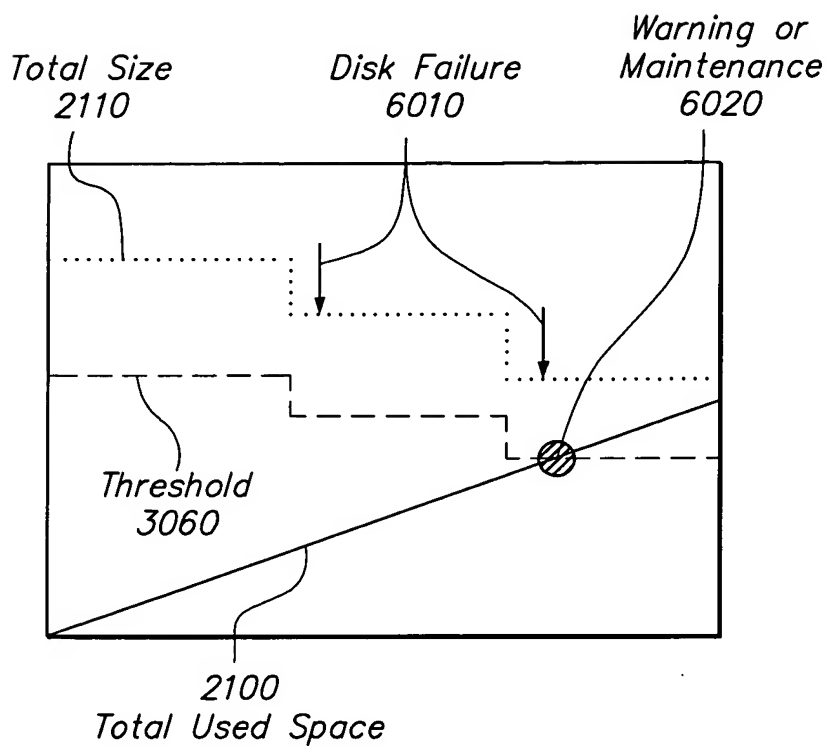
5/6



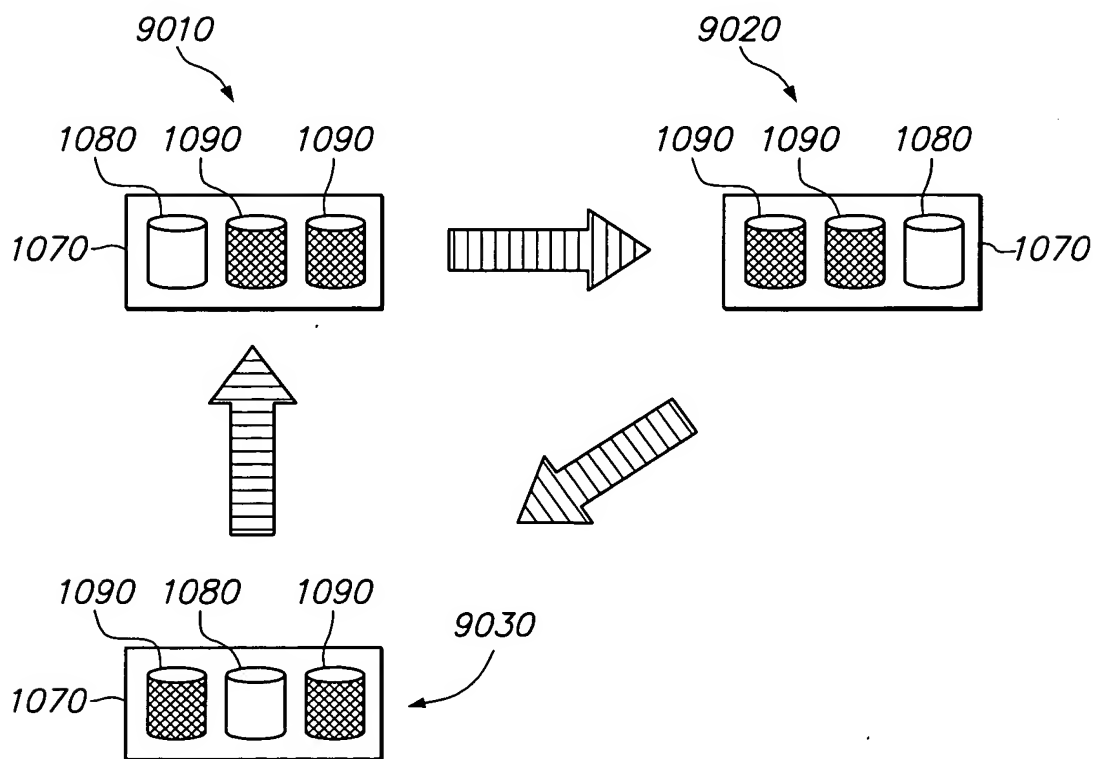
**FIG. 6** State Transition Diagram (default)



**FIG. 7** Self-Repairing of RAID1 Group



**FIG. 8** Threshold Management



**FIG. 9** Role Reversal of Disks